

Title (en)

Sound and public address system with decentralised amplification

Title (de)

Beschallungsanlage mit dezentralisierter Verstärkung

Title (fr)

Système de sonorisation et d'adresse publique avec amplification décentralisée

Publication

**EP 1740015 A1 20070103 (EN)**

Application

**EP 05381032 A 20050630**

Priority

EP 05381032 A 20050630

Abstract (en)

Sound and public address system based on the joint disposition of the amplifier and the speaker, wherein the amplification is performed with pulse-width modulation switching techniques and the amplifier is powered by a switched DC/DC voltage converter without insulation, which provides a clear improvement in the energy efficiency; all amplifier-speaker assemblies being connected to an area feeder that supplies the required power at a suitable voltage, wherein in addition the system is provided with means for monitoring the state of the amplifiers-speakers with verification that the speakers are emitting sound based on injecting a signal that allows the monitoring using either piezoelectric sensors or auxiliary coils identical to those of the speaker, transmitting the state of the speaker either through an exclusive connection or through the audio line, using a directional coupling circuit.

IPC 8 full level

**H04R 27/00** (2006.01)

CPC (source: EP)

**H04R 27/00** (2013.01)

Citation (search report)

- [Y] EP 0716403 A1 19960612 - NIPPON SIGNAL CO LTD [JP]
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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